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Kartvelishvili, N. A.	40	Saltykov, N.	298	Karanikoloff, C.	537
Dieulefait, C. E.	40	Pracys de Veubeke, B.	298	Zimmerberg, H. J.	607
Barber, N. F.	40	Ureil, F.	40	Paier, M.	707
Norden, J.	118	Brewer, L.	454	Constantinescu, G. G.	708
Saltykov, N.	122	Ptyovitch, T.	454		
		*Weise, K. H.	535		

Algebraic equations.

Kolchin, E. R.	349	Kasner, E.			
Petrovitch, M.	378, 686	Mittleman, D.	707		

Formal theory.

Mitrinovich, D. S.	454, 535	González, M. O.	535	Zimmerberg, H. J.	607
		Carala, M.	537		

Ordinary equations: existence and behavior of solutions.

Sobol', I. M.	40	Biernacki, M.	252	Malkin, I. G.	457
Ważewski, T.	40	Caffero, F.	298	Popova, N. V.	535
Barbalin, E. A.	49	Wallach, S.	298	Sestakov, A. A.	535
Seifert, H.	49	Vasil'eva, A. B.	298	Sestakov, A. A.	
Cebotarev, N. G.	118	Armellini, G.	299	Palvin, A. U.	535
Foa, E.	119	Volik, I. M.	299	Yakubovich, V. A.	535
Manacorda, T.	119	Yurovskii, A. V.	299	De Gennaro, A.	536
Ascoli, G.	119	Persidskii, K. P.	299	Sobol', I. M.	536
Hartman, P.	120	Kasner, E.		Gradteln, I. S.	536
Faedo, S.	120	De Cicco, J.	300	Duffin, R. J.	536
Teofilato, P.	120	Budak, B. M.	309	Leonov, M. V.	536, 537
Bellman, R.	121	Caffero, F.	375	Hylleraas, E. A.	538
Caffero, F.	121	Trivisan, G.	375	Terracini, A.	538
Zwirner, G.	121	Michal, A. D.	375	Zaremba, S. K.	608
Szasz, J.	121	Saharnikov, N. A.	377	*Nemyckil, V. V.	
Ważewski, T.		Haag, J.	377	Stepanov, V. V.	612
Szasz, J.	121	Bautin, N. N.	377	Matos Peixoto, M.	686
Ważewski, T.	122	Kalinin, S. V.	377	Gonzalez Baz, E.	708
Saltykov, N.	122	Gremyachenskii, A. P.	455	Peyovitch, T.	708
Wintner, A.	194	Avakumovic, V. G.	455	Lewis, D. C.	708
Hartman, P.		Karamata, J.	455	Gusarova, R. S.	708
Wintner, A.	194	Hartman, P.		Kalinin, S. V.	708
Rosenblatt, A.	194	Wintner, A.	455	Leighton, W.	708
Caffero, F.	194	Wintner, A.	455, 456	Gradteln, I. S.	708, 709
Haag, J.	195	Borg, G.	456	Levinson, N.	710
Neikirk, L. I.	250	Erugin, N. P.	456	Wintner, A.	711
Adamov, N. V.	250	Letov, A. M.	456	Francx, E.	711
Sestakov, A. A.	251	Persidskii, K. P.	456	Germay, R.-H.	712
Makarov, I. P.	251	Bautin, N. N.	456	Dehousse, L.	712
Leonov, M. V.	251	Caffero, F.	457	Diliberto, S. P.	718
Revuz, A.	252	Haag, J.	457	Vinograd, R.	718

Ordinary linear equations.

Sobol', I. M.	40	Blanc, C.	193	Erugin, N. P.	456
Ważewski, T.		Hartman, P.		Letov, A. M.	456
Freilich, G.	40	Wintner, A.	194	Persidskii, K. P.	456
Imai, I.	41	Makarov, I. P.	251	De Gennaro, A.	536
Cebotarev, N. G.	118	Leonov, M. V.	251	Leonov, M. V.	536, 537
Fel'dbaum, A. A.	119	Biernacki, M.	252	Hylleraas, E. A.	538
Ansoff, H. L.		Aquaro, G.	252	Haltiner, G. J.	607
Krumhans, J. A.	119	Povzner, A.	299	Flügge-Lotz, I.	
Foa, E.	119	Sansone, G.	300	Klotter, K.	707
Manacorda, T.	119	Hille, E.	376	Gusarova, R. S.	708
Ascoli, G.	119	Hartman, P.	376	Leighton, W.	708
Biernacki, M.	119	Waas, W.	377	Levinson, N.	710
Hartman, P.		Putnam, C. R.	455	Manacorda, T.	711
Wintner, A.	120	Hartman, P.	455	Hartman, P.	
Hartman, P.	120	Wintner, A.	455	Wintner, A.	711
Faedo, S.	120	Wintner, A.	456		
Teofilato, P.	120	Borg, G.	456		
Lur'e, A. I.	193				

DIFFERENTIAL EQUATIONS. (Continued)

Nonlinear oscillations. Cf. Elasticity (wave propagation); hydrodynamics (wave propagation); mechanics (oscillations).

Letov, A. M.	121	Rocard, Y.	299	Wendel, J. G.	536
Belman, R.	121	Bautin, N. N.	377	Duffin, R. J.	536
Cartwright, M. L.	121	Kalinin, S. V.	377	Starinskii, V. M.	536
Cartwright, M. L.	121	Manacorda, T.	455	Zelencov, N. A.	607
Littlewood, J. E.	121	Mal'kin, I. G.	457	LaSalle, J.	709
Huang, J.	195	Levinson, N.	457	John, F.	709
Minorovsky, N.	195	Minorovsky, N.	457	Masera, J. L.	709
McLachlan, N. W.	195	Carrier, G. F.	458	Cartwright, M. L.	710
Demidovič, B. P.	251	*Andronow, A. A.	535	Littlewood, J. E.	710
Cartwright, M. L.	298	Chalkin, C. E.	535	Levinson, N.	710
Sestini, G.	299				

Ordinary equations: special types. Cf. Ballistics; calculus (applications); special functions.

Imai, I.	41	Wasow, W.	377	Macfarlane, G. G.	537
Strutt, M. J. O.	41	Kallmann, H.	535	Terracini, A.	535
Adamov, N. V.	250	Pisler, M.	378	Viguier, G.	582
Rydbek, O. E. H.	252	Aubert, M.	454	Tanrikulu, M.	607
Brillouin, L.	252	Avakumovic, V. G.	455	Flügge-Lotz, L.	707
Biersacki, M.	252	Karamata, J.	455	Klotter, K.	707
Sansone, G.	274	Wintner, A.	455	Constantinescu, G. G.	708
Toraldo di Francia, G.	274	Sobol', I. M.	536	G. G.	708
Ostrowski, A.	300	Cambi, E.	537	Peyovitch, T.	708
Saharukov, N. A.	377	Carafa, M.	537	Timman, R.	711
		Karanikoff, C.	537		

Total equations, Pfaff problem.

Fichera, G.	41	Federer, H.	264	Zervos, P.	458
Petrarca, S.	123	Fichera, G.	300	Yen, Chih Ta.	480
Castoldi, L.	123	Bilimovitch, A.	378	Charles, H.	711
Ehrenmann, C.	123	Reeb, G.	458	Gernay, R.-H.	711
Libermann, P.	123				

Partial equations, first order, systems, etc.

Lewy, H.	41	Lednev, N. A.	253	Zervos, P.	458
Friedrichs, K. O.	41	Lavrent'ev, M.	290	Cinquini-Cibrario, M.	539
Saltykov, N.	122	Cramlet, C. M.	458	Depima, C. R.	541
Backes, F.	123	Muggli, E. C.	300	Cinquini-Cibrario, M.	608
Calanelli, E.	123	Zuckerman, H. S.	300	Gernay, R. H. J.	712
Szarski, J.	195	Mykita, A.	302	Konakov, P. K.	712
Janet, M.	195	Bouligand, G.	325		
*Saltykov, N.	253	Zaremba, S. K.	378		
Menden, M.	253	*Kamke, E.	378		

Partial equations: second order: general theory.

Gálvez, L. M.	41	*Sommerfeld, A.	195	Konambi, D. D.	458
Janet, M.	42	Lednev, N. A.	253	*Sommerfeld, A.	608
Ascoli, G.	123	Petrovskii, I. G.	301	Sauer, R.	713
Janet, M.	195	Mykita, A.	302		

Partial equations: second order: elliptic. Cf. Elasticity; electricity; harmonic functions; hydrodynamics; potential theory.

Bergman, S.	42	Carrier, G. F.	458	Ghizzetti, A.	539
Schiffer, M.	42	Ehlers, F. E.	254	Brelot, M.	540
Leutert, W.	42	Lavrent'ev, M.	290	Eichler, M.	540
Pleijel, A.	43	Bicadze, A. V.	300	Bergman, S.	540
Amerio, L.	43	Pleijel, A.	301	Graff, D.	540
Tranter, C. J.	43	Petrovskii, I. G.	301	Carrier, G. F.	543
Picone, M.	116	Fichera, G.	533	Eichler, M. M. E.	609
Ascoli, G.	123	Ingersoll, B. M.	539	Olevskii, M. N.	609
Titchmarsh, E. C.	124	Herzfeld, K. F.	539	Oleinik, O. A.	713
Krzyżalski, M.	254				

Partial equations: second order: parabolic. Cf. Diffusion; elasticity; heat conduction; hydrodynamics.

Belman, R.	43	Petrovskii, I. G.	301	Brelot, M.	540
Krzyżalski, M.	43	Mykita, A.	302	Belman, R.	540
Vodicka, V.	123	Norden, J.	378, 458	Marshak, R. E.	610
Ward, A. G.	123	Rubinstein, I. I.	458	Wing, G. M.	610
Walters, A. G.	196	Polubarinova-Rubinstein, L. I.	254	Sbrana, F.-Fumi, F.	701
Goldstein, S.	270	Kočina, P. Y.	459	Gifo, A.	712

Partial equations: second order: hyperbolic. Cf. Elasticity (wave propagation); electricity (waves); geophysics; hydrodynamics (wave propagation); potential theory.

Titchmarsh, E. C.	124	Petrovskii, I. G.	301	Gårding, L.	541
Caldirola, P.	124	Mykita, A.	302	Castelluccio, D.	541
Silano, P.	124	Robinson, A.	303	Carrier, G. F.	543
Teofilato, P.	124	Kramoschkin, P. E.	378	Amerio, L.	610
Walters, A. G.	196	Yakovlev, I. A.	378	Riesz, M.	713
Bourgoin, D. G.	197	Ingersoll, B. M.	459	Atkinson, F. V.	714
Bureau, F.	301	Bergman, S.	540	Friedlander, F. G.	714
Caldirola, P.	301	Bedini, L.	540	Giuliano, S.	714
Silano, P.	301				

DIFFERENTIAL EQUATIONS. (Continued)

Partial equations of higher order. Cf. Elasticity; hydrodynamics.

Mitrinovich, D. S.	41	Brak, S. Z.	124	Cinquini-Cibrario, M.	379
Astolfo, E.	43	Janet, M.	195	Salehov, G. S.	379
Mangeron, D. I.	43	Green, G.	197	Matsumoto, T.	445
Hurghin, Y. I.	44	Lednev, N. A.	253	Bureau, F.	459
Salehov, G. S.	44	Petrovskii, I. G.	301	Gårding, L.	541
Saltykov, N.	122	Mykita, A.	302	Éliann, J.	541
Agostinelli, C.	124	Robinson, A.	303	Mangeron, D. I.	541
Teofilato, P.	124				

Partial equations: special types. Cf. Special functions.

Mitrinovich, D. S.	41	Matsumoto, T.	445		
Carrier, G. F.	254	Sbrana, F.	701, 702		
Ehlers, F. E.	254				

Applications of integral transforms: ordinary and partial. Cf. Operational calculus.

Tranter, C. J.	43	Carrier, G. F.	254	Kallmann, H.	537
Sarantopoulos, S.	118	Ehlers, F. E.	254	Pisler, M.	378
Caldirola, P.	124	Benfield, A. E.	301	Sbrana, F.-Fumi, F.	701
Silano, P.	124	Caldirola, P.	301	Sbrana, F.	701, 702
Walters, A. G.	196	Silano, P.	301		
Roettinger, I.	197				

Boundary value and expansion problems, characteristic values: ordinary and partial. Cf. Harmonic functions (Dirichlet problem).

Freilich, G.	40	Krzyżalski, M.	254	Macfarlane, G. G.	537
Strutt, M. J. O.	41	Wassermann, G. D.	268	Titchmarsh, E. C.	537
Leutert, W.	42	Fovzner, A.	299	Hylleraas, E. A.	538
Pleijel, A.	43	Sansone, G.	300	Glasman, I.	538
Astolfo, E.	43	Bicadze, A. V.	300	Cinquini-Cibrario, M.	539
Hurghin, Y. I.	44	Pleijel, A.	301	Herzfeld, K. F.	539
Salehov, G. S.	44	Petrovskii, I. G.	301	Ghizzetti, A.	539
Biersacki, M.	119	Mykita, A.	302	Graff, D.	540
Quade, W.	119	Wallach, S.	376	Bedini, L.	540
Hultén, L.	120	Hartman, P.	376	Mangeron, D. I.	541
Frøberg, C. E.	120	Hartman, P.	376	*Sommerfeld, A.	608
Hartman, P.	120	Putnam, C. R.	376	Weinstein, A.	608
Wintner, A.	120	Wasow, W.	377	Amerio, L.	610
Titchmarsh, E. C.	124	Putnam, C. R.	455	Levinson, N.	710
Caflero, F.	194	Hartman, P.	455	Langer, R. E.	710
*Sommerfeld, A.	195	Hartman, P.	455	Manacorda, T.	711
Roettinger, I.	197	Wintner, A.	455	Magenes, E.	711
Bourgoin, D. G.	197	Samarskii, A.	458	Riesz, M.	713
Aguaro, G.	252	Rothe, E. H.	461	Mangeron, D. I.	719
Peierls, R.	253	Cambi, E.	537		
Lednev, N. A.	253	Gottlieb, M. J.	537		

Differential operators and differential equations of infinite order. Cf. Functional analysis (operators).

Michal, A. D.	128	Krein, M. G.	128	Peraidaki, K. P.	299
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DIFFERENTIAL FORMS. See: differential equations (formal theory); differential geometry; invariants (differential).

DIFFERENTIAL GEOMETRY.

Set-theoretical methods (natural and finite differential geometry). Cf. Functions of real variables (differentiation); geometry (abstract metrics).

Hjelmslev, J.	204	Colmez, J.	402, 475	Borisov, Y. F.	567
Zwirner, G.	265	Zwirner, G.	519	*Aleksandrov, A. D.	619
St. Nagy, G.	265	Haupt, O.	562, 563	Mirguet, J.	621
Aleksandrov, A. D.	325	Mirguet, J.	567	Busemann, H.	623
Bouligand, G.	325				

Classical differential geometry in general. Cf. Contact transformations.

Borsuk, K.	60	Carpenter, A. F.	327	Pinl, M.	477
Schäfer, A. T.	62	Rollero, A.	328	Longo, C.	477
Hsiung, Chuan-Chih.	62	Myller, A.	398	Vincenzini, P.	478
Rollero, A.	62	Herszog, F.	398	*Bouligand, G.	568
Myller, A.	63	Wells, C. P.	398	Rollero, A.	568
Backes, F.	145	Hsiung, Chuan-Chih.	399	Semin, F.	568
Creangă, I.	146	Rollero, A.	399	Lips, L.	568
Gheorghiev, G.	146	Sbrana, F.	399	Lemoine, S.	568
Constantinescu, L.	146	Rollero, A.	399	Lalan, V.	568
Segre, B.	208	Saban, G.	399	Maneng, L.	569
Niță, V.	209	Gheorghiev, G.	401	Bloch, A.	569
Biazina, J.	209	Maeda, K.	401	Guillaumin, G.	569
St. Nagy, G.	265	Colmez, J.	402	Behari, R.	736
Havlicek, K.	265	Barbilian, D.	476	Ascoli, G.	736
Löbel, F.	266	Maeda, K.	476	Yaglom, I. M.	737
Salini, U.	266	Correnti, S.	477	Lemoine, S.	738
Maeda, J.	326	Lemoine, S.	477		
Kruppa, E.	327	Lalan, V.	477		

DIFFERENTIAL GEOMETRY. (Continued)

Kinematical methods. Cf. Mechanics (kinematics).

Gachet, H.	208	de Donder, T.-van den Dungen, F.-H.	477	Hulubel, D.	477
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Special mapping problems. Cf. Geodesy (elementary).

Botes, M. S.	139	Löbel, F.	266
Marcantoni, A.	208	Segre, B.	736

Special curves and surfaces. Cf. Calculus (applications).

Jaspar, S. J.	62	Gheorghiu, G. T.	326	Tigano, O.	569
Bompiani, E.	64	Myller, A.	398	Fassina, M. C.	569
Haack, W.	208	Lalan, V.	400	Maeda, K.	571
Blarina, J.	209	Gheorghiev, G.	401	Petrovitch, M.	736
Santaló, L. A.	209	Maeda, K.	401, 476	Roset, O.	738
Vivanti, G.	325	Giuliano, S.	568	Roset, O.	738
Irimescu, I.	326	Maneng, L.	569	Thibaut, P.	738

Minimal surfaces. Cf. Calculus of variations (minimal surfaces).

Gheorghiev, G.	146	Morrey, C. B., Jr.	259	Sauer, R.	713
Graf, H.-Thomas, H.	208	Chen, Ya Why.	402		

Families and nets of curves, webs.

Lalan, V.	63	Kamer, E.	398	Maeda, K.	401
Backes, F.	63	De Cicco, J.	398	Norden, A. P.	478
Marcus, F.	63	Herzog, F.	398	Lalan, V.	568
Haimovici, A.	64	Wells, C. P.	398	Bompiani, E.	625
Vincenzini, P.	64	Lalan, V.	400	Byuigene, S. S.	633
Čebýšev, P. L.	144	Backes, F.	400	Roset, O.	737
Constantinescu, L.	146	Finikoff, S.	400	Blank, Y. P.	738
Graf, H.-Thomas, H.	208	Gheorghiev, G.	401		

Differential line geometry. Cf. Geometry (lines).

Backes, F.	63	Charrueau, A.	326	Ascoli, G.	570
Marcus, F.	63, 64	Marcus, F.	328	Kuiper, N. H.	570
Vasil'ev, A. M.	64	Saban, G.	399	Charrueau, A.	624, 625
Backes, F.	145	Akivis, M. A.	400	Pa, Chenkuo.	737
*Haack, W.	208	Mikan, M.	403	Marcus, F.	737
Chern, Shing-shen.	211	Kuiper, N. H.	403	Roset, O.	737, 738
Kuiper, N. H.	326	Blaschke, W.	472	Backes, F.	738

Laguerre and other sphere geometries. Cf. Geometry (lines).

Inzinger, R.	144	Németh, E.	470	Backes, F.	738
Maeda, K.	327	Maeda, K.	571		

Geometry of lineal and higher space elements.

Mittleman, D.	325	Akivis, M. A.	400	Takasu, T.	482
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Topological problems. Cf. Topology (applications).

Salenius, T.	147	*Federer, H.	264	Lyusternik, L.	
de Rham, G.	202	Zwirniger, G.	265	Šnirel'man, L.	624
Segre, B.	208	Allendoerfer, C. B.	266		

Differential geometry in the large, integral geometry. Cf. Convex bodies; isoperimetric problems.

Hadwiger, H.	141	Allendoerfer, C. B.	266	Blaschke, W.	472
Fejes Tóth, L.	141	Fejes Tóth, L.	321	Lichnerowicz, A.	571
Hadwiger, H.	141	Vidal Abascal, E.	321	Nöbeling, G.	731
Salenius, T.	147	Santaló, L. A.	321	Santaló, L. A.	732
Tricomi, F.	206				

Geometry on surfaces, characterization by intrinsic properties.

Weyl, H.	60	Aleksandrov, A. D.	147	Borisov, Y. F.	567
Borsuk, K.	60	Segre, B.	208	*Aleksandrov, A. D.	619
Beckenbach, E. F.	62	Aleksandrov, A. D.	325	Lyusternik, L.	
Popa, I.	63	Lalan, V.	400	Šnirel'man, L.	624
Wuyts, P.	63	Gheorghiev, G.	401	Lemoine, S.	738
Verbitskii, L. L.	67	Pogorelov, A. V.	564		

Deformation of surfaces.

Popa, I.	63	Popovici, C.	148	Lalan, V.	400
Laptev, G. F.	67	Efimov, N. V.	265	Norden, A. P.	478
Pogorelov, A. V.	140	Pozdnyak, E. G.	321	Pogorelov, A. V.	564
Constantinescu, L.	146	Efimov, N. V.	324	Sauer, R.	569
Efimov, N. V.	147	Aleksandrov, A. D.	325	Lalan, V.	738
Aleksandrov, A. D.	147	Pogorelov, A. V.	325, 395		

Riemannian geometry. Cf. Relativity; vector calculus (tensors).

Petrov, A. Z.	66	Buchdahl, H. A.	212	*Finsl, B.	
Ruse, H. S.	66	Morrey, C. B., Jr.	259	Pastori, M.	480
Johnson, P. B.	66	Ruse, H. S.	266	Dinghas, A.	571
Verbitskii, L. L.	67	Allendoerfer, C. B.	266	Ruse, H. S.	571
Müller, H. R.	145	Michal, A. D.	267	Lichnerowicz, A.	571
Aleksandrov, A. D.	147	Aleksandrov, A. D.	325	Bochner, S.	571
Salenius, T.	147	Urban, A.	403	Castoldi, L.	572
Castoldi, L.	147	Yano, K.	403	Dalla Volta, V.	625
Wrona, W.	148	Norden, A. P.	478	Walker, A. G.	739
Popovici, C.	148	Sen, R. N.	479	Trabant, E. A.	739
Takano, H.	158	Sorace, O.	479	Castoldi, L.	739
de Rham, G.	202	Wrona, W.	479	Van Bergen, F.	739
Kodaira, K.	211	Castoldi, L.	479		

DIFFERENTIAL GEOMETRY. (Continued)

Conformal, affine and projective differential geometry.

Hsiung, Chuan-Chih.	62	Greer, E.-Bell, P. O.	210	Salini, U.	476
Rollero, A.	62	Farina, L.	210	Mayer, O.	478
Salini, U.	63	Villa, M.	210	Norden, A. P.	478
Bompiani, E.	64	Vaona, G.	211	Bukmanova, G. V.	478
Chern, Shing-shen.	65	Chern, Shing-shen.	211	Norden, A. P.	478
Chern, Shing-shen.	65	Salini, U.	266	Sauer, R.	569
Wang, Hsien-chung.	65	Su, B.	266	Terracini, A.	570
Rosenfeld, B. A.	66	Kovancov, N. I.	266	Bell, P. O.	570
Laptev, G. F.	67	Chang, Su-Cheng.	327	Dalla Volta, V.	570
Buzano, P.	144	Marcus, F.	328	Longo, C.	570
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FRACTIONAL DIFFERENTIATION AND INTEGRATION. See: differentiation of fractional order.

FREQUENCY FUNCTIONS. See: probability; statistics.

FUNCTION FIELDS. See: algebra: abstract (fields); algebraic functions; number theory (analytic theory).

FUNCTIONAL ANALYSIS. Cf. Continuous geometry; differential equations (differential operators); ergodic theory; groups (continuous groups); measure (abstract theory); symbolic dynamics; topology.

FUNCTIONAL ANALYSIS. (Continued)

General abstract spaces. Cf. Differential geometry (Finsler spaces); functions of real variables (integration in abstract spaces); geometry (abstract metrics); sets; topology (topological spaces).

Kuratowski, C.	54	Dow, R.	306	Menger, K.	549
Graves, L. M.	126	Menger, K.	306	*Nachbin, L.	610
Turowski, A.	127	Kantorovič, L. V.	380	Köthe, G.	610
Katětov, M.	127	Fréchet, M.	381	Marur, S.	
Nikol'skii, V. N.	128	Mikusiński, J. G.	382	Orlicz, W.	611
Watanabe, S.	198	Ryll-Nardzewski, C.	383	Milgram, A. N.	612
Stone, M. H.	255	Weyl, H.	461	Schärfke, F. W.	612
Lorentz, G. G.	255	Arrighi, G.	544	Fort, M. K., Jr.	716
Köthe, G.	255	Tong, Hing.	544	Braconnier, J.	717
Gagiev, B.	255				

Normed linear spaces.

Cohen, I. S.	48	Schatten, R.		Kantorovič, L. V.	380
Karlin, S.	48	von Neumann, J.	256	Berri, R.	380
Shimizu, T.	48	Krein, M. G.		Dixmier, J.	381
Rickart, C. E.	96	Rutman, M. A.	256	Tortrat, A.	462
Nikol'skii, V. N.	128	Korenblum, B. L.		Yosida, K.	462
Ryll-Nardzewski, C.	128	Krein, S. G.		Godelement, R.	548
Manroe, M. E.	128	Levin, B. Y.	306	Karlin, S.	548
Schatten, R.	128	Dixmier, J.	306, 307	Rothe, E. H.	548
Michal, A. D.	128	Grinblum, M. M.	307	Monna, A. F.	549
Krein, M. G.	128	Titov, N. S.	307	Eidelheit, M.	611
Ruston, A. F.	197	Tatarakiewicz, K.	307	Yood, B.	611
Klee, V. L., Jr.	197	Alexiewicz, A.		Myers, S. B.	611
Sard, A.	197	Orlicz, W.	307	Morse, M.	
Hilding, S. H.	198	Shimoda, I.	307	Transue, W.	612
Gagiev, B.	255	Stone, M. H.	308	Lonseth, A. T.	627
Ezrohi, I. A.	256			Kantorovič, L. V.	717

Hilbert spaces.

Vigier, J.-P.	48	Julia, G.	306	Morita, K.	547
Julia, G.	48	Dixmier, J.	307	Julia, G.	547
Lorch, E. R.	129	Nalmark, M. A.	308	Svirakii, I. V.	547
Julia, G.	129	Kantorovič, L. V.	380	Fage, M. K.	547
Mihlin, S. G.	129	Beurling, A.	381	Friedrichs, K. O.	547
Krein, M. G.		Aronszajn, N.	382	von Neumann, J.	548
Krasnosel'skii, M. A.	198	Van Hove, L.	382	Tsang, Yuan-Yung.	612
Hau, L. C.	198	Bodiu, G.	461	Schärfke, F. W.	612
Gelfand, I. M.		Rothe, E. H.	461	Hille, E.	612
Nalmark, M. A.	199	Yosida, K.	462	Schmeidler, W.	717
Cooper, J. L. B.		Maeda, F.	546	Pians y Sans de	
de Sz. Nagy, B.	269	Motchan, L.	546	Bremont, A.	717
		Dixmier, J.	546	Plesner, A.	718

Other special spaces. Cf. Functions of real variables (functions in abstract spaces).

Cohen, I. S.	48	Ganapathy Iyer, V.	380	Monna, A. F.	549
Sebastião e Silva, J.	48	Sifrín, I. A.	381	Myers, S. B.	611
Whitney, H.	126	Kac, M.	383	Milgram, A. N.	612
Hewitt, E.	126	LaSalle, J. P.	462	Abdelhay, J.	612
Kaplanaky, I.	127	Cameron, R. H.		Morse, M.	
Ryll-Nardzewski, C.	128	Hatfield, C., Jr.	462	Transue, W.	612
Köthe, G.	255	Rodriguez-Salinas, B.	519	Alexiewicz, A.	717
Michal, A. D.	267	Lodinskii, S. M.	529	Mikusiński, J. G.	
Belardinelli, G.	289	Maeda, F.		Ryll-Nardzewski, C.	717
Dow, S. H.	290	Ogasawara, T.	544	Levitan, B. M.	718
Korenblum, B. L.		Ogasawara, T.	544, 545		
Krein, S. G.					
Levin, B. Y.	306				

Partially ordered spaces. Cf. Partially ordered sets.

Ogasawara, T.	46	Kawada, Y.	381	Ogasawara, T.	544, 545
Vulih, B. Z.	46	Maeda, F.		Stone, M. H.	546
Lorentz, G. G.	255	Ogasawara, T.	544	*Birkhoff, G.	673
Berri, R.	380				

Normed rings.

Kaplanaky, I.	7	Gelfand, I. M.		Nalmark, M. A.	308
Arns, R. F.		Ralkov, D. A.		Sreider, Y. A.	309
Kaplanaky, I.	7	Šilov, G. E.	258	Korenblum, B. I.	462
Hallou, Z. I.	48	Šilov, G. E.	258	Kaplanaky, I.	549
Ditkin, V. A.	49	Mikusiński, J. G.	259	Yood, B.	549
Rickart, C. E.	96	Povzner, A.	299	Freundlich, M.	612
Gelfand, I. M.		Stone, M. H.	308		
Nalmark, M. A.	199				

Equations in infinitely many variables. Cf. Differential equations (differential operators).

Shimizu, T.	48	Köthe, G.	255	Eidelheit, M.	611
Barankin, E. W.	129				

FUNCTIONAL ANALYSIS. (Continued)

Existence theorems for differential, integral and functional equations; spectral theory.

Shimizu, T.	48	Krein, M. G.		Maeda, F.	
Sebastião e Silva, J.	48	Rutman, M. A.	256	Ogasawara, T.	544
Vigier, J.-P.	48	Kantorovič, L. V.	380	Ogasawara, T.	544
Hallou, Z. I.	48	Aronszajn, N.	382	Friedrichs, K. O.	547
Coddington, E. A.	129	Weyl, H.	461	Schärfke, F. W.	612
Barankin, E. W.	129	Tortrat, A.	462	Braconnier, J.	717
Krein, M. G.		Rohlin, V.	462	Kantorovič, L. V.	717
Krasnosel'skii, M. A.	198				

FUNCTIONAL DETERMINANTS. See: calculus.

FUNCTIONAL EQUATIONS: SPECIAL TYPES. Cf. Differences (difference equations; generalized difference equations); functional analysis (existence theorems); operational calculus; special functions (functions defined by functional equations).

Christov, C.	20	Ghermanescu, M.	303	Robinson, L. B.	541
Platone, G.	46	Stark, M.	303	Chandrasekhar, S.	543
Ionescu, D. V.	58	Aczél, J.	303	Underhill, A. B.	578
Montel, P.	125	Rocard, Y.	306	Jecklin, H.	685
Wright, E. M.	125	Aczél, J.	357	Aczél, J.	685
Deinias, S.	125	Rollero, A.	357	Casade, A.	685
Teodorik, K.	184	Bradley, F. W.	362	Obrechhoff, N.	686
Horvath, J.	237	Carafa, M.	461	Belman, R.	715
Aczél, J.-Fenyő, S.	237	De Bruijn, N. G.	541	Bruwer, L.	715
Montel, P.	288	Mambriani, A.	541		

FUNCTIONAL SPACES. See: differential geometry (Finsler spaces); functional analysis; measure and integration; topology (topological spaces; applications).

FUNCTIONS OF COMPLEX VARIABLES. Cf. Algebraic functions; Dirichlet series; elliptic functions; Fourier integrals; integral transforms (Laplace integrals; Mellin transforms; self-reciprocal functions); harmonic functions; number theory (analytical tools).

Leavitt, W. G.	6	Dow, S. H.	290	*Churchill, R. V.	439
Heffter, L.	240	Leavitt, W.		Humbert, P.	
Zevi, M.	240	Whaples, G.	349	Colombo, S.	516
*Knopp, K.	288	*Behnke, H.	439	Goodstein, R. L.	522
Fedorov, V. S.	288				

Power series. Cf. Series (power series).

Wall, H. S.	32	Pastides, N.	362	Wright, E. M.	441
Roussel, A.	110	Erdős, P.		Davydov, N. A.	529
Turán, P.	241	Feller, W.			
Broman, A.	289	Pollard, H.	367		

Zeros. Cf. Polynomials (zeros).

Carlson, F.	27	Melman, N. N.	289, 290	Iliff, L.	530
Dow, S. H.	27	Bloch, A.	363	Korevaar, J.	694, 695
Marden, M.	187	de Bruijn, N. G.	372	Dvoretzky, A.	696
Capyrin, V. N.	241	Verbitskii, M. L.	443	Nehari, Z.	696

Analytic continuation, singularities, overconvergence.

Vijayaraghavan, T.	25	Boas, R. P., Jr.	242	Bruynes, H.	
Wilson, R.	25	Pompeia, D.	288	Raisbeck, G.	447
Macintyre, A. J.		Sunyer Balaguer, F.	289	Carafa, M.	461
Wilson, R.	25	Broman, A.	289	Cowling, V. F.	524
Climescu, A. C.	25	Brunk, H. D.	436	Davydov, N. A.	601
Royo López, J.	25	Weigand, L.	439	Carafa, M.	601
Ghika, A.	110	Chazy, J.	440	Tchakaloff, L.	691
Pellegrino, F.	110	Myrberg, P. J.	441	Iliff, L.	692
Zygmund, A.	186	Wilson, R.	441	Vermes, P.	699
Turán, P.	241			Dieulefait, C. E.	700

Cauchy integral and related topics. Cf. Calculus (contour integrals).

Lukomskaya, M. A.	24	Beckenbach, E. F.	244	Jacob, C.	439
Cooper, J. L. B.	185	Stevenson, A. C.	272	Magnaradse, L. G.	439
Tolstov, G. P.	185, 240	Mihlin, S. G.	305	Davydov, N. A.	601
Heffter, L.	240	Serman, D. I.	305	Stampachia, G.	690
Zevi, M.	240	Balada, E.	439	Nobelung, G.	691

Schwarz lemma, maximum principle, and related topics.

Heins, M.	39	Beckenbach, E. F.		Ahlfors, L.	
Lelong, J.	39	Gustin, W.		Heins, M.	522
Nehari, Z.	290	Shniad, H.	441	Beurling, A.	692
Dufresnoy, J.	362				

Conformal mapping: general theory.

Schiffer, M.	26	Matlidi, P.	241	Nehari, Z.	440
Pfuger, A.	28	Wittich, H.	241	Garabedian, P. R.	
Komatu, Y.	186	Broman, A.	289	Schiffer, M.	522
Golusin, G. M.	241	Lavrent'ev, M.	290	Polotil, G. N.	526

FUNCTIONS OF COMPLEX VARIABLES. (Continued)

Conformal mapping; special problems and applications. Cf. Calculus of variations (minimal surfaces); differential geometry.

van de Putte, J. G.	110	Stevenson, A. C.	272	Consiglio, A.	440
Clément, L.	110	Broman, A.	289	Nehari, Z.	440
Komatu, Y.	186	Howell, A. R.	336	Haron, R.	490
Kafarev, P. P.	241				

Riemann surfaces, uniformization. Cf. Topology (covering surfaces).

Stollow, S.	28	Beatty, S.	290	Radović, M.	442
Phuger, A.	28	Volkovskii, L. I.		Schwartz, M.-H.	523
Ahlfora, L. V.	28		364, 365	Fourès, L.	523
Nevanlinna, R.	28	Sario, L.	365	Thiem, Le Van.	523
Clément, L.	110	Chen, Yu Why.	402	Radović, M.	523
Kodaira, K.	211	Myrberg, P. J.	441	Behnke, H.-	
Matthi, P.	241	Schwartz, M.-H.	442	Stein, K.	696
Broman, A.	289	Stollow, S.	442	Speiser, A.	697

Entire and meromorphic functions.

Macintyre, A. J.-		Tchakaloff, L.	289	Pólya, G.	463
Wilson, R.	25	Meiman, N. N.	289, 290	Fourès, L.	523
Macintyre, S. S.	27	Strodt, W.	303	Leont'ev, A. F.	602
Gurin, L. S.	27	Stone, M. H.	308	Beurling, A.	692
Carlson, F.	27	Korevaar, J.	358	Littlewood, J. E.-	
Heins, M.	28	Pham, Tinh-Quat	363	Offord, A. C.	692
Bagana, N.	28	Bernstein, S. N.	363	Lax, P. D.	693
Bernstein, S. N.	29	Leont'ev, A. F.	364	Shah, S. M.	693
Ahieser, N. I.	33	de Bruijn, N. G.	372	Buck, R. C.	693
Rabinović, V. L.	110	Ganapathy Iyer, V.	380	Lohin, I. F.	693
Rosenbloom, P. C.	187	Weigand, L.	439	Levin, B.	693
Marden, M.	187	Wilson, R.	441	Ahieser, N. I.	693
Boas, R. P.	189	Wright, E. M.	441	Korevaar, J.	694, 695
Kjellberg, B.	243	Shah, S. M.	441	Ibragimov, I. I.	695
Collingwood, E. F.	244	Korevaar, J.	441, 442	Leont'ev, A. F.	695
Shah, S. M.	289	Verbitskii, M. L.	443	Wright, E. M.	699
Leont'ev, A. F.	289	Boas, R. P., Jr.	443	Lee, Kwok-Ping.	701
Korevaar, J.	289	Krein, M.-Levin, B.	449	Weston, J. D.	701
Ahieser, N. I.	289				

Picard theorem, distribution of values.

Minetti, S.	27	Combes, J.	363	Dugué, D.	442
Milloux, H.	28	Bagana, N.	363	Ghermanescu, M.	443
Hayman, W. K.	186	Schwartz, M.-H.	442	Thiem, Le Van.	523
Collingwood, E. F.	244	Parreau, M.	442	Littlewood, J. E.-	
Breusch, R.	363	Wittich, H.	443	Offord, A. C.	692
Collingwood, E. F.	363				

Univalent functions, bounded functions and related topics.

Schiffer, M.	26	Mathév, A.	363	Hamdi Aïsbah, O.	524
Geronimus, Y. L.	110	Bloch, A.	363	Verblunsky, S.	533
Cooper, J. L. B.	185	Breusch, R.	363	Goodman, A. W.	601
Bazilevič, I. E.	186	Tsuji, M.	440	Goluzin, G. M.	602
Goluzin, G. M.	186, 241	Grunsky, H.	441	Bazilevič, I. E.	602
Collingwood, E. F.	244	Rajagopal, C. T.	441	Fridman, G. A.	602
Fedorov, V. S.	288	Vostrecov, B. A.	523	Mathév, A.	602
Ahieser, N. I.	289	Germansky, B.	523	Nehari, Z.	696
Nehari, Z.	290	Schaeffer, A. C.		Hille, E.	697
Kobori, A.	362	Spencer, D. C.	523	Mullender, P.	697

Extremal problems, inequalities. Cf. Inequalities; polynomials (extremal problems).

Schiffer, M.	26	Korevaar, J.	289	Boas, R. P., Jr.	443
Geronimus, Y. L.	26	Bernstein, S. N.	363	Goluzin, G. M.	602
Macintyre, S. S.	27	Grunsky, H.	441	Bazilevič, I. E.	602
Geronimus, Y. L.	110	Gustin, W.			
Hayman, W. K.	186	Shniad, H.	441		
Birnacki, M.	186				
Milloux, H.	289				

Iteration. Cf. Functional equations.

Teodorčik, K.	184	Rollero, A.	357	Ghermanescu, M.	525
Rosenbloom, P. C.	187	Bradley, F. W.	362	Métrai, P.	692
Hornich, H.	290	Pastidža, N.	524		

Normal families.

Combes, J.	28	Milloux, H.	289	Mathév, A.	363
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Polynomial and other series expansions. Cf. Approximation; polynomials (polynomial approximations).

Arpiarian, N.	24, 25	Boas, R. P., Jr.	243	Nassif, M.	373
Roussel, A.	110	Belardinelli, G.	288	Buck, R. C.	693
Boas, R. P., Jr.	187	Tchakaloff, L.	289	Lohin, I. F.	693
Geronimus, Y. L.	190	Doss, S. H.	290	Korevaar, J.	694

FUNCTIONS OF COMPLEX VARIABLES. (Continued)

Complex interpolation and approximation. Cf. Interpolation.

Gurin, L. S.	37	Leont'ev, A. F.	364	Leont'ev, A. F.	602
Kolmogorov, A. N.	35	Dirbailyan, M. M.	364	Ibragimov, I. I.	604
Leja, F.	114	Boas, R. P., Jr.	443	Levin, B.	693
Gončarov, V. L.	114	Eweida, M. T.	444	Ahieser, N. I.	693
Boas, R. P., Jr.	157	Dirbailyan, M. M.	444	Korevaar, J.	694
Geronimus, Y. L.	190	Germansky, B.	523	Ibragimov, I. I.	695
Leja, F.	191	Walsh, J. L.		Leont'ev, A. F.	695
Mergetyan, S. N.	242, 243	Nilson, E. N.	524	Heuser, P.	696
Leont'ev, A. F.	289	Geronimus, Y. L.	530	Behnke, H.-	
Geronimus, Y. L.	295	Boas, R. P.	531	Stein, K.	696
Bloch, A.	363	Martin, V.	532		

Quasi-analytic functions and monogenic functions.

Lelong, P.	20	Zahorski, Z.	243	Zahorski, Z.	365
Boas, R. P., Jr.-		Boas, R. P., Jr.-		Lee, Kwok-Ping.	450
Chandrasekharan, K.	21	Chandrasekharan, K.	287		
Mergetyan, S. N.	242, 243				

Several variables.

Lelong, P.	20	Haefeli, H. G.	31	*Bochner, S.-	
Theoria, G. O.	21	Leja, F.	111	Martin, W. T.	366
Bernstein, S. N.	29	Martinielli, E.	111	Rothstein, W.	367
Conforto, F.	29	Canuliera, J.	111	Roure, H.	445
Mitchell, J.	30	Pic, G.	111	Pic, G.	525
Bergman, S.	30	Fuks, B. A.	244	Petersson, H.	698
Vassal, M.	30	Rauch, H. E.	309		

Functions of quaternion variables. Cf. Calculus (contour integrals).

Haefeli, H. G.	31	Fueter, R.	111	Mellihron, A. S.	291
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Other generalizations.

Carrazco, L. E.	24	Belardinelli, G.	289	Pierucci, M.	527
Bicadre, A. V.	24	Lavrent'ev, M.	290	Nicolesco, M.	527
Wagner, R. D.	30	Eteban Carrazco, L.	291	Nef, W.	522
Haefeli, H. G.	31	Petrovskii, I. G.	301	Castoldi, L.	579
Reutter, F.	37	Shimoda, I.	307	Eichler, M. M. K.	608
Sebastião e Silva, J.	48	Matsumoto, T.	445	Pološil, G. N.	697
Fueter, R.	111	Takasu, T.	445	Eteban Carrazco, L.	698
Beckenbach, E. F.	244	Pološil, G. N.	526	De Cicco, J.	707
Degtereva, M.	245	Lopatinskiĭ, Y. R.	527		

FUNCTIONS OF REAL VARIABLES AND GENERALIZATIONS. Cf. Calculus; completely monotone functions; convex functions; functional analysis; inequalities; measure and integration; probability (random functions).

One real variable.

Boas, R. P., Jr.-		Cesari, L.	288	Goffman, C.	438
Chandrasekharan, K.	21	Alexiewicz, A.-		Obreanu, F.	518
Boggio, T.	22	Orlicz, W.	307	Kober, H.	520
de Bruijn, N. G.	23	Korevaar, J.-		Gál, I. S.	550
Zahorski, Z.	23	van Aardenne-		Pettinoo, B.	600
Popoviciu, T.	239	Ehrenfest, T.-		Calasir, A.	683
Frumkin, P. B.	239	de Bruijn, N. G.	358	Petrovitch, M.	686
Boas, R. P., Jr.-		Korevaar, J.	358		
Chandrasekharan, K.	287				

Several real variables.

Scorza Dragoni, G.	23	Scorza Dragoni, G.	438	Mambriani, A.	601
Watawaki, T.	106	Baiada, E.	439	Azél, J.	685
Whitney, H.	126	Rodríguez-Salinas, B.	519	Mulh, G.	686
Giuliano, L.	185	Mulholland, H. P.	520	Stampacchia, G.	690
Tolstov, G. P.	240	Cotlar, M.	557	Tolstov, G. P.	690
Neilsen, L. V.	359	Morse, M.-		Neilsen, L. V.	741
Climescu, A. C.	359	Tranau, W.	601		
Frodin, A.	438				

Differentiation and tangents. Cf. Differential geometry (set-theoretical methods).

Zahorski, Z.	23	Whitney, H.	126	Haupt, O.-Pau, C.	359
Choquet, G.	53	Matos Peixoto, M.	239	Zwerner, G.	519
Chow, Shu-Er.	108	Tolstov, G. P.	240	Dehn, M.	690
Calasir, A.	109	Cesari, L.	288	Stampacchia, G.	690
Cesari, L.	109	Climescu, A. C.	359	Tolstov, G. P.	690

Nondifferentiable functions and related topics.

Zahorski, Z.	359	Behrend, F. A.	438	Banerjee, D. P.	690
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Functions in abstract spaces.

Hewitt, E.	126	Fréchet, M.	381	Myers, S. B.	611
Kaplan, I.	127	Kaplan, D. A.	437	Milgram, A. N.	612
Alexiewicz, A.-		Motheane, L.	546	Abdelhay, J.	612
Orlicz, W.	307	Rothe, E. H.	548	Fort, M. K., Jr.	716
Haupt, O.-Pau, C.	359	Chittenden, E. W.	600		

GALOIS THEORY. See: algebra: abstract (Galois theory); algebra: equations (classical Galois theory).

GAMMA FUNCTION. See: special functions (gamma function).

GAS DYNAMICS. See: hydrodynamics (perfect fluids: compressible).

GENETICS. See: biological problems; statistics (biometrics).

GEODESY.

Elementary geodesy. Cf. Differential geometry (special mapping problems).

Reicheneder, K. 95 Jensen, H. 487 Wolf, H. 487, 577

GEOELECTRICITY. See: geophysics (geolectricity).

GEOMAGNETISM. See: geophysics (geolectricity).

GEOMETRICAL OPTICS. See: optics (geometrical).

GEOMETRY. Cf. Algebraic geometry; calculus (applications to geometry); contact transformations; continuous geometry; convex bodies; descriptive geometry; differential geometry; groups (group-theoretical problems of geometry); isoperimetric problems; topology; trigonometry; vector and tensor calculus.

Aleksandrov, A. D. 261

Foundations. Cf. Logic; philosophy.

*Lorenzen, P.	1	Hsu, Chen-Jung.	279	Destouches-Février,	
Prenowitz, W.	57	*Lauwerier, H. A.	319	P.	585
Sperner, E.	138	Schanzer, R.	468	Belgodère, P.	618
Blumenthal, L. M.	138	Dequoy, N.	499	Menger, K.	618
da Silva Paulo, J.	139	Taraki, A.	499	Huffer, E.	670
Bagemihl, F.	139	Segre, B.	500	Sperner, E.	729
Argunov, B. I.	205	Bachmann, F.	561	Haupt, O.	729
Rosier, P.	277	Pepper, P. M.	562	Narasinga Rao, A.	730

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Decuyper, M.	57	Thébaud, V.	320	Belgodère, P.	618
Hadwiger, H.	105	Walsh, C. E.	469	Wunderlich, W.	618
da Silva Paulo, J.	139	Hjelmslev, J.	470	Terracini, A.	618
Bagemihl, F.	139	Nicolsco, M.	563	Decuyper, M.	618
Kerawala, S. M.	140	Arghiriade, E.	563	Maeda, K.	618
Hjelmslev, J.	204	Ghosh, N. N.	563	Reisenberg, E. R.	731
Tutte, W. T.	319				

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Ladopoulos, T.	58	Court, N. A.	320	Bouvaist, R.	
da Silva Paulo, J.	139	Reuschel, A.	320	Thébaud, V.	731
Bagemihl, F.	139	Cavallaro, V. G.	394	Thébaud, V.	731
Gal, I. S.	141	Thébaud, V.	564	Veldkamp, G. R.	731
Thébaud, V.	205	Gambier, B.	564	Hebroni, P.	731
Wormser, A.	319	Hadwiger, H.	564	Narayanamurti, T.	731
Thébaud, V.	320	Court, N. A.	618		
Blanchard, R.					
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Kerawala, S. M.	140	Sydlér, J.-P.	394	Kadeřávek, F.	563
Maeda, K.	319	Arghiriade, E.	563	Maeda, K.	618

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Tietze, H.	57	Rosier, P.	69	Steiner, J.	562
Rosier, P.	57	Sevdič, M.	139	v. Sz. Nagy, G. (J.).	562
Bartolo, M.	57	Oberdorfer, G.	139	Nestorovič, N. M.	562
Girkovič, M. V.	57	Kerawala, S. M.	140	Decuyper, M.	618

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Hadwiger, H.	105	Kingston, J. M.	318	Buck, R. C.	
Muracchini, L.	136	Tutte, W. T.	319	Buck, E. F.	621
da Silva Paulo, J.	139	Bernheim, B.		Rédei, L.	593
Bagemihl, F.	139	Motakia, T.	394	Fejes Tóth, L.	731
*Coxeter, H. S. M.	261	Hudson, D. R.	468	Billimovitch, A.	746
Mordell, L. J.	284	Supnick, F.	469		

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Sz. Nagy, G.	139	Blaschke, C.	320	Nicolsco, M.	563
Abramescu, N.	139	Zwicker, C.	320	Todd, J. A.	563
Kerawala, S. M.	140	Tausky, O.		Lorent, H.	619
*Fano, G.		Wigglesworth,		Minagawa, T.	672
Terracini, A.	318	L. A.	347	Amante, S.	672
Winger, R. M.	319	Comitas, C.	394	Hesselbach, B.	730
Seifert, L.	320	Trost, E.	394		

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Prenowitz, W.	57	Chen, Shou.	262	Abellana, P.	473
*Blaschke, W.	58	*Fano, G.		Dequoy, N.	499
Urban, A.	58	Terracini, A.	318	Todd, J. A.	563
Jonescu, D. V.	58	*Faulkner, T. E.	318	Signorini, A.	563
Yang, Chung-Tao.	58	Bruck, R. H.		Glagolev, A. A.	564
Kuo, P. T.	58	Ryser, H. J.	319	Lahra, M.	564
Rodéja F., E. G.	58	Ellie, J.	320	Bol, G.	564
Vancura, Z.	59	Thébaud, V.	320	Bailieu, R.	587
Emch, A.	139	Cognit, C.	394	Menger, K.	618
Gambier, B.	139	Casulleras, J.	394	Baker, H. F.	618
Deaux, R.	140	*Hodge, W. V. D.		Hall, M., Jr.	618
Tigano, O.	140	Pedoe, D.	396	Scott, T.	619
Mandzyuk, A.	140	Hua, Loo-Keng.	424	Birkhoff, G.	673
Cartan, E.	140	Ball, R. W.	469	*Segre, B.	729
Argunov, B. I.	205	Bruina, E. M.	469	*Coxeter, H. S. M.	729
Lagrange, R.	205	Todd, J. A.	469	Haupt, O.	729
Segre, B.	231	Hjelmslev, J.	470	Cuesta, N.	730
van der Woude, W.	262	Satyanarayana, K.	470	Bagchi, H.	730

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Gambier, B.	139	Blaschke, W.	394	Rico de Souza, J.	730
Deaux, R.	140	Pimák, L.	394	Var, A.	730
*Faulkner, T. E.	318				

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Yang, Chung-Tao.	58	de Bruijn, N. G.		Hall, M., Jr.	618
Kuo, P. T.	58	Erdős, P.	424	Birkhoff, G.	673
Bose, R. C.	201	Hua, Loo-Keng.	424	*Segre, B.	729
Argunov, B. I.	205	Ball, R. W.	469	Haupt, O.	729
Bruck, R. H.		Abellana, P.	473		
Ryser, H. J.	319				

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Németh, E.	470	Woodbridge, M. Y.	470
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Fog, D.	59	Müller, H. R.	326	Nestorovič, N. M.	562
Fabricius-Bjerre, F.	59	*Gerretsen, J. C. H.	393	Tortorici, M.	562
Sevdič, M.	139	Schilling, F.	393	Davatz, W.	730

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Abstract metrics. Cf. Calculus of variations (generalized geometrical theory); differential geometry (Finsler spaces); functional analysis (general abstract spaces).

Seidel, J. J.	59	Pepper, P. M.	562
Blumenthal, L. M.	138	*Aleksandrov, A. D.	619

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GRAPHS. See: mechanics (statics); topology (graphs).

GRAVITATION. See: astronomy (cosmology); geodesy (higher); geophysics (potentials); potential theory; relativity.

GREEN'S FUNCTIONS. See: differential equations; harmonic functions (Dirichlet problem); heat conduction.

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Picard, S.	8	*Rutherford, D. E.	280	Hall, M., Jr.	506
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Wall, G. E.	8	Kochendörffer, R.	281	*Scorza, G.	588
Kuntzmann, J.	9	Lombardo-Radicé, L.	281	Higman, G.	589
Delarte, S.	9	Polya, G.-Meyer, B.	281	Grün, O.	589
Seele, T.	96	Picard, S.	351	Čunihin, S. A.	589
Dyubyuk, P. E.	98	Kaloujnine, L.	351	Zappa, G.	589
Chow, Wei-Liang.	98	Kraemer, M.	351	Kuroš, A. G.	589
Amato, V.	180	Taunt, D. R.	351	Černikov, S. N.	677
Picard, S.	180	Baer, R.	352	Čunihin, S. A.	678
Bays, S.	181	*Ledermann, W.	427	Jordan, P.	678
Séfé, J.	181	Dias Agudo, F.	427	Robinson, G. de B.	678
Frame, J. S.	181	Grün, O.	504	Brauer, R.	678
Amato, V.	233	Kaloujnine, L.	505	Rédei, L.	683
*Coxeter, H. S. M.	261	Gol'berg, P. A.	505		

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Mal'cev, A. I.	8	Kaloujnine, L.		Černikov, S. N.	590
MacLane, S.	9	Kraemer, M.	351	Muhammedjan, H. H.	590
van der Waerden, B. L.	9	Baer, R.	352	Nielsen, J.	590
Černikov, S. N.	10	Zappa, G.	352	Kuroš, A. G.	590
Lyndon, R. C.	10	Livšic, A. H.	428	Černikov, S. N.	677
Hall, M., Jr.	10	Tartakovsky, V.	500	Čaria, V. S.	677
Radó, T.	98	Barbilian, D.	502	Prokof'ev, A. N.	677
Kolchin, E. R.	232	Baer, R.	506	Kestelman, H.	677
Neumann, H.	233	Mal'cev, A. I.	507	Smith, C. A. B.	690
Seki, T.	281	*Scorza, G.	588		
		Zappa, G.	589		

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Delarte, S.	9	Inaba, E.	348	Seele, T.	505
Beaumont, R. A.	10	*Almeida Costa, A.	349	Baer, R.	506
Lyndon, R. C.	10	Zappa, G.	352	Haimo, F.	590
Haimo, F.	10	Szmielew, W.	500	Rédei, L.	683
Dyubyuk, P. E.	98				

Lattice and partially ordered groups. Cf. Partially ordered sets.

Mal'cev, A. I.	8	Neumann, B. H.	428	Ogasawara, T.	544
Rieger, L. S.	99	Iwasawa, K.	428	*Birkhoff, G.	673
Cotlar, M.					
Zarantonello, E.	99				

Representations, characters.

Tartakovsky, W.	10	Lombardo-Radicé, L.	281	Springer, T. A.	427
Boerner, H.	99	Gelfand, I. M.		Kaplansky, I.	428
Frame, J. S.	181	Nalmark, M. A.	282	Robinson, G. de B.	
*Rutherford, D. E.	280	*Almeida Costa, A.	349		504, 678
Kochendörffer, R.	281			Brauer, R.	678

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Haimo, F.	10	Gelfand, I. M.		Tamari, D.	508
Tartakovsky, W.	10	Nalmark, M. A.	282	Fáry, I.	558
Ogasawara, T.	11	Monna, A. F.	282	Gelfand, I. M.	
Kawada, Y.	11	Nalmark, M. A.	308	Yaglom, A. M.	583, 584
Braconnier, J.	11	Hua, Loo-Keng.	352	Haimo, F.	590
Graev, M. I.	11	Specht, W.	352	Kar, S. C.	590
Boerner, H.	99	Dixmier, J.	381	Banach, S.	590
Schaefer, H. M.	99	Fréchet, M.	381	Montgomery, D.	591
Lyubarskii, G. V.	99	Kaplan, S.	428	Gelfand, I. M.	
Dieudonné, J.	137	Yea, Chih-ta.	428	Nalmark, M. A.	591
Garcia, M.		Kaplansky, I.	428	Hayashida, T.	678
Hedlund, G. A.	199	Rias, J.	429	Homma, T.	
Gottschalk, W. H.	199	Ambrose, W.	429	Minagawa, T.	678
Begle, E. G.	204	Godement, R.	429	Gleason, A. M.	678
Kaplan, S.	233	Gelfand, I. M.		Iwasawa, K.	679
Zelinsky, D.	233	Nalmark, M. A.	429	Vilenkin, N. Y.	679, 680
Gelfand, I. M.		Weyl, H.	461	Braconnier, J.	717
Raikov, D. A.		Finzi, A.	468	Mikusinski, J. G.	
Šilov, G. E.	258	Vilenkin, N. Y.	507	Ryll-Nardzewski, C.	717
Vilenkin, N. Y.	282	Bohr, H.-Følner, E.	507	Ganeva, T.	728
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Levine, J.	8	Matsumura, Y.	426	Leray, J.	680
Borel, A.		Mal'cev, A. I.	507	Borel, A.	680
de Siebenthal, J.	12	Birkhoff, G.		Polizchak, E. M.	680
Lee, H. C.	233	Whitman, P. M.	587	Toyama, H.	
Gelfand, I. M.		Vrazaescu, G.	588	Kuranishi, M.	680
Nalmark, M. A.	282	Gleason, A. M.	678	Toyama, H.	680
Rauch, H. E.	309	Iwasawa, K.	679	Gotô, M.	681

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Kingston, J. M.	318	Jaśkowski, S.	351	Burger, M. J.	589
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Schwartz, Š.	12	Zelinsky, D.	233	Croiset, R.	430, 508
Bates, G. E.	12	Croiset, R.	353	Tamari, D.	508
Cotlar, M.		Klein-Barmen, F.	353	Silverman, N.	508
Zarantonello, E.	99	Bates, G. E.		Dosa, R.	591
Climescu, A. C.	100	Kiokemeister, F.	353	Choudhury, A. C.	591
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Topolyanskii, D. B.	40	Verblunsky, S.	296	Keller, H.	533
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Aronszajn, N.	116	Fichera, G.	298	Haegi, H.-R.	534
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*Sommerfeld, A.	195	Loeb, E.	458	Kalichman, L. E.	645
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Tensors, spinors and related topics. Cf. Quantum mechanics; relativity.

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VIBRATIONS. See: differential equations; elasticity (wave propagation); electricity; hydrodynamics (wave propagation); mechanics (oscillations); numerical methods (differential equations; practical harmonic analysis).

VISCOUS FLUIDS. See: hydrodynamics (viscous fluids).

WARING PROBLEM. See: number theory (Waring problem).

WAVE MECHANICS. See: quantum mechanics.

WAVES. See: acoustics; differential equations; elasticity (wave propagation); electricity (waves); geophysics; hydrodynamics (wave propagation); numerical methods (differential equations).

WEBS, GEOMETRY OF. See: differential geometry (families of curves).

WHITTAKER FUNCTIONS. See: special functions (Bessel functions).

ZEROS. See: algebra: equations (zeros); functions of complex variables (zeros); numerical methods (equations); polynomials (zeros); special functions.

ZETA FUNCTIONS. See: Dirichlet series (zeta functions); number theory.

ABBREVIATIONS OF NAMES OF JOURNALS: ADDENDA

This list supplements that given in volume 9, pp. 723-733. It gives the form of reference used in MATHEMATICAL REVIEWS and the complete title (when it differs from this form); the place of publication and other pertinent information are given in parentheses when desirable for clarity. Scripts other than Roman, Cyrillic and Greek are disregarded unless no title in one of these three appears.

- Abh. Bayer. Akad. Wiss. Math.-Nat. Kl.* Abhandlungen der Bayerischen Akademie der Wissenschaften. Mathematisch-naturwissenschaftliche Klasse. (München. Formerly: . . . *Math.-Nat. Abt.*)
- Abh. Tschernyschewsky Univ. Saratow.* Učenyje Zapiski Saratovskogo Gosudarstvennogo Universiteta im. N. G. Černyševskogo. Abhandlungen der Tschernyschewsky-Staatsuniversität Saratow.
- Accad. Patavina Sci. Lett. Arti. Atti Mem.* Accademia Patavina di Scienze Lettere ed Arti. Atti e Memorie. (Padova. Formerly *Atti Mem. Accad. Sci. Padova. Mem. Cl. Sci. Fis.-Mat.*)
- Acta Bolyaiana.* Acta Bolyaiana. Facultas Scientiarum Naturalium. Contributions from the Faculty of Science of the Bolyai University, The Hungarian University of Roumania, Cluj-Kolozsvár.
- Advancement Sci.* The Advancement of Science. (London.)
- Aeronaut. Quart.* The Aeronautical Quarterly. (London.)
- Akad. Ljubljani. Mat.-Prirodoslov. Razred. Mat. Odsek. Razprave.* Akademija Znanosti in Umetnosti v Ljubljani. Matematično-Prirodoslovni Razred. Matematični Odsek. Razprave.
- Akad. Nauk SSSR. Bull. Inst. Teoret. Astr.* Akademija Nauk Soyuzu Sovetskikh Socialističeskikh Respublik. Byulleten' Instituta Teoretičeskoi Astronomii. (Formerly: *Bull. Inst. Astr. Acad. Sci. URSS.*)
- Akad. Nauk SSSR. Trudy Inst. Istorič. Estestvoznaniya.* Akademija Nauk SSSR. Trudy Instituta Istorič. Estestvoznaniya.
- Aktuárské Vědy.* Aktuárské Vědy. Počet Pravděpodobnosti, Matematická Statistika, Pojistná Matematika, Ekonometrie. (Prague.)
- Allg. Statist. Arch.* Allgemeines statistisches Archiv. Organ der Deutschen Statistischen Gesellschaft. (München.)
- Amer. Math. Soc. Translation.* American Mathematical Society. Translation.
- Ann. Acad. Roy. Belgique.* Annuaire de l'Académie Royale de Belgique. Jaarboek van de Koninklijke Belgische Academie.
- Ann. Inst. Statist. Math., Tokyo.* Annals of the Institute of Statistical Mathematics. (Tokyo.)
- Ann. Roumaines Math.* Annales Roumaines de Mathématiques. Journal de l'Institut Mathématique Roumain. (Bucarest.)
- Ann. Télécommun.* Annales de Télécommunication. (Paris.)
- Ann. Öster. Akad. Wiss. Wien. Math.-Nat. Kl.* Österreichische Akademie der Wissenschaften. Mathematische-naturwissenschaftliche Klasse. Anzeiger. (Formerly: *Ann. Akad. Wiss. Wien. Math.-Nat. Kl.*)
- Arch. Elektr. Übertragung.* Archiv der elektrischen Übertragung. (Wiesbaden.)
- Arch. Méc. Appl., Gdańsk.* Archiwum Mechaniki Stosowanej. Archives de Mécanique Appliquée. (Gdańsk.)
- Archimede.* Archimede. Rivista per gli Insegnanti e i Cultori di Matematiche Pure e Applicate. (Firenze. Continuation of *Boll. Mat.*)
- Atti Sem. Mat. Fis. Univ. Modena.* Atti del Seminario Matematico e Fisico dell'Università di Modena.
- Bol. Inst. Brasil. Atúria.* Boletim do Instituto Brasileiro de Atúria. (Rio de Janeiro.)
- Bull. Internat. Acad. Yougoslave. Cl. Sci. Math. Phys. Tech.* Bulletin International de l'Académie Yougoslave des Sciences et des Beaux-Arts. Classe des Sciences Mathématiques, Physiques et Techniques. (Zagreb.)
- Bull. Math. Phys. Éc. Polytech. Bucarest.* Bulletin de Mathématiques et de Physique Pures et Appliquées de l'École Polytechnique Roi Carol II. (Continued as: *Bull. École Polytech. Bucarest [Bul. Politechn. Bucaresti].*)
- Bull. Observ. Poulkovo.* Izvestiya Glavnoi Astronomičeskoi Observatorii v Pulkove. Bulletin de l'Observatoire Central à Poulkovo. (Continued as: *Izvestiya Astr. Observ. Pulkovo.*)
- Bull. Soc. Math. Belgique.* Bulletin de la Société Mathématique de Belgique. (Bruxelles.)
- Bull. Soc. Math. Phys. Serbie.* Vestnik Obšestva Matematikov i Fizikov N. R. Serbii. Bulletin de la Société des Mathématiciens et Physiciens de la R. P. de Serbie. Vesnik Društva Matematičara i Fizičara Narodne Republike Srbije. (Belgrade.)
- Bull. Tech. Univ. Istanbul.* İstanbul Teknik Üniversitesi Bülteni. Bulletin of the Technical University of İstanbul.
- Ciencia e Investigación.* (Buenos Aires.)
- Coll. Papers Fac. Sci. Osaka Univ. Ser. A.* Collected Papers from the Faculty of Science, Osaka University. Series A. Mathematics. (Formerly: . . . Osaka Imperial University . . .)
- Coll. Papers Math. Inst. Fac. Sci. Nagoya Univ.* Collected Papers from the Mathematical Institute. Faculty of Science. Nagoya University.
- Comm. Pure Appl. Math.* Communications on Pure and Applied Mathematics. (New York. Formerly: Communications on Applied Mathematics.)
- Communication Rev.* Communication Review. (Sydney.)
- Communications Fac. Sci. Univ. Ankara.* Communications de la Faculté des Sciences de l'Université d'Ankara.
- Deutsche Akad. Wiss. Berlin. Veröff. Geodät. Inst. Potsdam.* Deutsche Akademie der Wissenschaften zu Berlin. Veröffentlichungen des Geodätischen Institutes in Potsdam.
- Deutsche Akad. Wiss. Berlin. Vorträge u. Schriften.* Deutsche Akademie der Wissenschaften zu Berlin. Vorträge und Schriften.
- Elettrotecnica.* L'Elettrotecnica. (Milano.)
- Engineering School Bulletin.* North Carolina State College. (Raleigh.)
- Esercizazioni Mat.* Esercizazioni Matematiche. Pubblicazione del Circolo Matematico di Catania.
- Fac. Philos. Univ. Skopje. Sect. Sci. Nat. Annuaire.* Filozofski Fakultet na Univerzitetot-Skopje. Faculté de Philosophie de l'Université de Skopje. Prirodno-Matematički Oddel. Section des Sciences Naturelles. Godišen Zbornik. Annuaire.
- Forschungen und Fortschritte.* (Berlin.)
- Glas Srpske Akad. Nauka.* Glas Srpske Akademije Nauka. Prvi Razred. (Belgrade.)
- Godišnjak Tehn. Fak. Univ. Beograd.* Godišnjak Tehničkog Fakulteta Univerziteta u Beogradu.
- Hungarica Acta Physica.* (Budapest.)
- Industrial Quality Control.* (New York.)
- Inst. Mech. Engrs. J.* The Institution of Mechanical Engineers. Journal. (London.)
- Inst. Mech. Engrs. Proc.* The Institution of Mechanical Engineers. Proceedings. (London.)
- Izvestiya Astr. Observ. Pulkovo.* Izvestiya Astronomičeskoi Observatorii v Pulkovo.
- J. Indian Soc. Agric. Statistics.* Journal of the Indian Society of Agricultural Statistics. (New Delhi.)
- J. Math. Soc. Japan.* Journal of the Mathematical Society of Japan.
- J. Osaka Inst. Sci. Tech. Part I.* Journal of the Osaka Institute of Science and Technology (Kinki University). Part I. Mathematics and Physics.
- J. Phys. Colloid Chem.* The Journal of Physical & Colloid Chemistry.
- J. Roy. Asiatic Soc. Bengal. Sci.* Journal of the Royal Asiatic Society of Bengal. Science. (Calcutta.)
- J. Sci. Météorologie.* Journal Scientifique de la Météorologie. (Paris.)
- J. Sci. Research Inst. Tokyo.* Journal of the Scientific Research Institute. (Tokyo.)
- J. Soc. Appl. Mech. Japan.* Journal of the Society of Applied Mechanics of Japan. (Tokyo.)
- Jber. Bayer. Akad. Wiss. München.* Jahrbuch der Bayerischen Akademie der Wissenschaften. (München.)
- Kōdai Math. Sem. Rep.* Kōdai Mathematical Seminar Reports. (Tokyo.)
- Math. Centrum Amsterdam, Scriptum.* Mathematisch Centrum. Scriptum. (Amsterdam.)
- Math. Inst. Tech. Hochschule Braunschweig. Ber.* Mathematisches Institut der Technischen Hochschule Braunschweig. Bericht. (Continued as: *Veröffentlichungen Math. Inst. Tech. Hochschule Braunschweig.*)
- Math. Naturwiss. Unterricht.* Der mathematische und naturwissenschaftliche Unterricht. (Bonn.)
- Math.-Phys. Semesterber.* Mathematisch-Physikalische Semesterberichte. (Göttingen.)
- Mem. Amer. Math. Soc.* Memoirs of the American Mathematical Society.
- Mem. Coll. Sci. Univ. Kyoto Ser. A.* Memoirs of the College of Science. University of Kyoto. Series A. Kyoto. (Formerly: . . . Kyoto Imperial University.)
- Mem. Fac. Sci. Kyūsyū Univ. A.* Memoirs of the Faculty of Science. Kyūsyū University. Series A. Mathematics. (Formerly: . . . Kyūsyū Imperial University.)

- Mém. Soc. Roy. Sci. Lett. Bohême. Cl. Sci.* Mémoires de la Société Royale des Sciences de Bohême. Classe des sciences. (Continued as: *Věstník Královské České Společnosti Nauk. Třída Matematicko-přirodověd.*)
- Mém. Soc. Roy. Sci. Liège. Coll. in-4°. Sér. 1.* Mémoires de la Société Royale des Sciences de Liège. Collection in-4°. Première série.
- *Methodos.* (Milano.)
- *Mitt. Verein. Schweiz. Versich.-Math.* Mitteilungen der Vereinigung Schweizerischer Versicherungsmathematiker. Bulletin de l'Association des Actuaires Suisses.
- *Mitteilungsblatt Math. Statist.* Mitteilungsblatt für mathematische Statistik. (München.)
- Műgyetemi Közlemények.* Műgyetemi Közlemények. Publications of the University of Technical Sciences. Annales de l'École Polytechnique. Mitteilungen der Technischen Hochschule. Trudy Politehnicheskogo Instituta. (Budapest.)
- *Nachr. Öster. Math. Ges.* Nachrichten der Österreichischen Mathematischen Gesellschaft. (Formerly: *Nachr. Math. Ges. Wien.*)
- Nationaal Luchtvaartlaboratorium, Amsterdam. Report.*
- Naturf. Ges. Bamberg. Ber.* Naturforschende Gesellschaft Bamberg. Bericht. (Title varies.)
- Notas de Matemática.* (Rio de Janeiro.)
- Optik.* Optik. Zeitschrift für das gesamte Gebiet der Licht- und Elektronenoptik. (Stuttgart. Formerly: *Optik. Zeitschrift für das gesamte Gebiet der wissenschaftlichen und angewandten Optik.*)
- Osaka Math. J.* Osaka Mathematical Journal.
- Osservazioni e Memorie dell'Osservatorio Astrofisico di Arcetri.* Pubblicazioni della Università degli Studi di Firenze. Facoltà di Scienze Matematiche, Fisiche e Naturali. Osservazioni e Memorie dell'Osservatorio Astrofisico di Arcetri.
- Pakistan J. Sci.* Pakistan Journal of Science. (Lahore.)
- Prakt. Akad. Athēnōn.* Πρακτικὴ ἀκὴ τῆς Ἀκαδημίας Ἀθηνῶν.
- Proc. Amer. Math. Soc.* Proceedings of the American Mathematical Society.
- Proc. Fac. Engrg. Keiogijuku Univ.* Proceedings of Faculty of Engineering, Keiogijuku University. (Tokyo.)
- Proc. Iowa Acad. Sci.* Proceedings of the Iowa Academy of Science. (Des Moines.)
- Proc. Japan Acad.* Proceedings of the Japan Academy. (Tokyo. Formerly: *Proc. Imp. Acad. Tokyo.*)
- Proc. Soc. Exper. Stress Analysis.* Proceedings of the Society for Experimental Stress Analysis. (Cambridge, Mass.)
- *Proc. Symposia Appl. Math.* Proceedings of Symposia in Applied Mathematics. (New York.)
- Publ. Istanbul Univ. Observatory.* İstanbul Üniversitesi Observatuari Yazıları. Publications of the Istanbul University Observatory.
- Publ. Math. Debrecen.* Publicationes Mathematicae. (Debrecen.)
- Publ. Sci. Tech. Ministère de l'Air, Paris.* Publications Scientifiques et Techniques du Ministère de l'Air. (Paris.)
- Rad Jugoslavenske Akademije Znanosti i Umjetnosti. Odjel Mat. Fiz. Tehn. Nauke.* Rad Jugoslavenske Akademije Znanosti i Umjetnosti. Odjel za Matematičke, Fizičke i Tehničke Nauke. (Zagreb.)
- Radiotekhnika.* (Moscow.)
- Rev. Inst. Internat. Statistique.* Revue de l'Institut International de Statistique. Review of the International Statistical Institute. (The Hague.)
- Revista Fac. Ci. Econ. Univ. Cuyo.* Revista de la Facultad de Ciencias Económicas de la Universidad de Cuyo.
- Rocznik Astr. Obserw. Krakow. Suppl. Internat.* Rocznik Astronomiczny Obserwatorium Krakowskiego. Dodatek Międzynarodowy. Suplemento Internacional.
- S.-B. Phys.-Med. Soc. Erlangen.* Sitzungsberichte der Physikalisch-medizinischen Societät zu Erlangen.
- Soc. Nat. Luxembourgeois. Bull. Mensuels. N.S.* Société des Naturalistes Luxembourgeois. Bulletins Mensuels. The Luxembourg Naturalist Society. Monthly Bulletins.
- Soc. Sci. Lett. Varsovie. C.R. Cl. III. Sci. Math. Phys.* Towarzystwo Naukowe Warszawskie. Sprawozdania z Posiedzeń Wydziału III. Nauk Matematyczno-Fizycznych. La Société des Sciences et des Lettres de Varsovie. Comptes Rendus des Séances de la Classe III. Sciences Mathématiques et Physiques.
- *Statistica, Leiden.* See: *Statistica, Rijswijk.*
- Statistica, Rijswijk.* Statistica. (Rijswijk. Formerly Leiden.)
- Texas J. Sci.* The Texas Journal of Science. (San Marcos, Texas.)
- Thémécht.* Thémécht. Zeitschrift für Luxemburger Geschichte.
- Theoria.* Theoria. A Swedish Journal of Philosophy and Psychology. (Lund.)
- Tomsk. Gos. Univ. Učenyje Zapiski.* Tomskii Gosudarstvennyi Universitet Imeni V. V. Kuibysheva. Učenyje Zapiski.
- Trudy Sem. MGU Istor. Mat. Istor.-Mat. Issledov.* Trudy Seminara MGU po Istorii Matematiki. Istoriko-Matematičeskie Issledovaniya. (Moscow and Leningrad.)
- Univ. e Politecnico Torino. Rend. Sem. Mat.* Università e Politecnico di Torino. Rendiconti del Seminario Matematico (già "Conferenze di Fisica e di Matematica"). [Formerly: . . . *Sem. Mat. Fis.*] *Veröffentlichungen Math. Inst. Tech. Hochschule Braunschweig.* Veröffentlichungen des Mathematischen Instituts der Technischen Hochschule Braunschweig.
- Vestnik Leningrad. Univ.* Vestnik Leningradskogo Universiteta.
- Z. Angew. Math. Physik.* Zeitschrift für angewandte Mathematik und Physik. ZAMP. Journal of Applied Mathematics and Physics. Journal de Mathématiques et de Physique Appliquées. (Basel.)

ERRATA AND ADDENDA

VOLUME 2

P. 77: Stollow.

The paper was reviewed from a reprint. The correct reference is 10, 19-22 (1939).

VOLUME 5

P. 328: Errata (volume 4).

In the Fessenkoff erratum read 20 instead of 19. The errata for Lyra, Pollard, and Bernstein should refer to volume 5, not volume 4.

VOLUME 7

P. 92: Sauer.

In the title read 1945 instead of 1943.

P. 467: Pepper.

Delete the parenthetical remark in lines 7-8 of the review.

VOLUME 8

P. 251: Casadio.

The paper by Zappa mentioned at the end of the review is reviewed on p. 367 of volume 8.

P. 443: Davenport (second review).

In the third line from the end of the review (p. 444), replace $1+2e$ by $2e-1$; cf. J. London Math. Soc. 24, 316 (1949).

P. 708: Errata (volume 5).

In the Roure erratum read 178 instead of 168.

VOLUME 9

P. 42: Eberlein; P. 241: Arens.

Delete the remark in brackets at the end of each review. Cf. volume 10, p. 611 (Yood).

P. 109: Leimanis.

As the author properly notes, it is the infinitesimal transformation T , not the trajectory itself, which is assumed to be independent of the ballistic coefficient.

A. A. Bennett (Providence, R. I.).

P. 234: Vermes.

In the title read (2) instead of (3).

P. 245: Grace.

In the title read (2) instead of (3).

Pp. 280, 288: Erdélyi.

In the titles read (2) instead of (3).

Pp. 318, 338: Copson.

In the titles read (2) instead of (3).

P. 329: Gel'fand and Naimark.

In line 4 of the review, read K instead of k .

P. 470: Kincaid.

The reviewer wishes to withdraw the last sentence of the review. In setting up an expression for the remainder in an interpolation formula, the primary objective is to secure an efficient appraisal of the remainder. In this respect the author's expressions are superior as they involve only the higher derivatives of the function it is desired to represent, whereas Steffensen's method would always involve a first derivative term in such a way as to prevent any refinement of estimates of the error by introducing additional given values.

T. N. E. Greville (Washington, D. C.).

P. 491: Prachar.

Delete the last sentence of the review and replace it by the following. A complete discussion of this problem, including the infinite case, was given earlier by H. B. Mann [Bull. Amer. Math. Soc. 50, 879-881 (1944); these Rev. 6, 147] and an extension to loops was announced by M. F. Smiley [Bull. Amer. Math. Soc. 53, 480 (1947)].
S. A. Jennings (Vancouver, B. C.).

P. 513: Bureau.

The concluding remarks of the review apply only to the case of an odd number p of independent variables. In the case of an even p the "auxiliary solution" obtained by Herglotz differs essentially from the "elementary solution" of Bureau, which is needed for the solution of the Cauchy problem. In the case of an even p the solution of the Cauchy problem involves the use of the "logarithmic" part of an integral, instead of Hadamard's "finite" part, which is used for odd p .

F. John (New York, N. Y.).

P. 560: Lee (second review).

In noting an error in the paper the reviewer stated that the validity of the author's theorem for an arbitrary field "appears to remain in doubt." This is not now true, a proof having been published by J. Dieudonné [p. 20 of the book reviewed in these Rev. 9, 494-495].

W. Givens (Knoxville, Tenn.).

P. 587: Mitrinovich (first review).

In the last line of the review read y'' instead of y' .

P. 592: Nikovič.

The author's name is Ickovič, not Nikovič.

P. 599: Feller.

In line 5 of the review, read e^{-2x^2} instead of e^{-x^2} .

P. 735: Errata (volume 9).

P. 197: Hadwiger. Read sixth instead of fifth.

P. 579: Wintner. Interchange $s^n/n!$ and $s^2/k!$.

VOLUME 10

P. 15: Skolem.

In line 3, second column, read real numbers instead of integers.

P. 101: Wright.

In line 5 of the review read $P(k, 2)$ instead of $P(k, s)$.

P. 139: Sevdif.

The theorem quoted in the review is not new. See H. Liebmann, *Nichteuklidische Geometrie*, Berlin, 1923, p. 34; or H. E. Wolfe, *Non-Euclidean Geometry*, New York, 1945, p. 102.

H. S. M. Coxeter (Toronto, Ont.).

P. 139: Sz. Nagy.

Some of the results were obtained earlier by J. L. Walsh [Amer. Math. Monthly 42, 1-17 (1935); Interpolation and Approximation by Rational Functions in the Complex Domain, Amer. Math. Soc. Colloquium Publ., v. 20, New York, 1935, p. 55].

H. S. M. Coxeter (Toronto, Ont.).

P. 151: van de Hulst.

In the definition of $E_n(x)$ read e^{-x^2} instead of e^{-x} .

P. 173: Proclus (second review).

In the title read Saale instead of Salle.

P. 181: Szép.

In line 4 of the review read \Re instead of \Im .

P. 195: Janet.

In the title read autant instead of autan.

- ✓ P. 200: Ghizzetti.
More general results (not assuming the independence of the random variables) were obtained by C. C. Craig [Ann. Math. Statistics 7, 1-15 (1936)]; cf. also Aroian [ibid. 18, 265-271 (1947); these Rev. 9, 48] for asymptotic results for large means.
J. L. Doob (Ithaca, N. Y.).
- ✓ P. 214: Truesdell.
For the last sentence but one, substitute the following. The author draws attention to one rather startling and physically improbable consequence of the dependence of stress on vorticity, namely that a mass of fluid rotating as a rigid body experiences a stress which depends on the viscosity; he therefore suggests that vorticity should not be included in the expressions for stress.
J. L. Synge (Dublin).
- ✓ P. 252: Rydbeck.
In lines 10 and 11 of the review, interchange e^{π} and $e^{-\pi}$.
- ✓ P. 259: Mikusiński.
The statement in the review that a normed ring is considered is incorrect. Actually no topology is introduced in the paper.
D. G. Bourgin (Urbana, Ill.).
- ✓ P. 285: Romanov.
In the formula for $Q_n(x)$ read ρx instead of ρ^x .
- ✓ P. 311: Harris.
In line 9 of the review read l.i.m. instead of lim.
- ✓ P. 321: Rutishauser and Samelson.
In the third line from the end read "not aware" instead of "aware."
- ✓ P. 356: Fine.
In equation (4) read $P_{r+1}(n)$ instead of $P_r(n)$.
- ✓ P. 390: Ramanathan.
In line 3 of the review read compact instead of Hausdorff.
- ✓ P. 461: Weyl.
In line 2 of the second column read $\{sf|se\}$ instead of $\{|sf|, se\}$.
- ✓ P. 462: Korenblyum.
In line 9 of the review add $(\theta e \Xi)$ after $M^p(G, \theta)$.
- ✓ P. 465: Geary.
In line 3 of the review read $\alpha x_{21}'$ instead of x_{21}' .
- ✓ P. 468: Wallace.
In line 5 of the review read "the theorem" instead of "the proof."
- ✓ P. 512: Davis.
The first reference should read [Minkowski, Diophantische Approximationen, 2d ed., Teubner, Leipzig, 1927, pp. 51-58].
- ✓ P. 514: Gupta.
In line 4 of the review read Bambah instead of Bamba.
- ✓ P. 515: James.
In line 9 of the review read "all sufficiently large integers" instead of "all integers."
- ✓ P. 538: Hylleraas.
To the Fröberg reference add: cf. also same Ark. 36A, no. 11 (1948).
- ✓ P. 571: Ruse.
In the first line of the review read ∇_n instead of ν_n .
In line 9 read $\log |K|$ instead of $|K|$.
- ✓ P. 608: Weinstein.
In line 6 from the bottom of p. 608 delete the two ∂ 's.
- ✓ P. 699: Rajagopal.
In line 6 of the review read $\cong -w(t)$ instead of $\leq w(t)$.
In (1) and (2) read W instead of w .
- ✓ P. 741: Fréchet.
✓ In line 2 of the review read $(2\pi)^{-1}$ instead of $(2\pi)^{-1}$.
✓ In line 7 read M_i' instead of M_i' .
- ✓ P. 766: Proceedings of Symposia in Applied Mathematics.
Volume 2 was not published until 1950.

TRANSLITERATION OF RUSSIAN

The following system of transliterating Russian has been adopted by Mathematical Reviews for use beginning with volume 7.

а = a	л = l	ц = c
б = b	м = m	ч = č
в = v	н = n	ш = š
г = g	о = o	щ = šč
д = d	п = p	ъ = "
е = e	р = r	ы = y
ж = ž	с = s	ь = ' (soft sign)
з = z	т = t	э = è
и = i	у = u	ю = yu
й = j	ф = f	я = ya
к = k	х = h	

The system formerly used differed from this as follows: I was j, h was ch or kh, " was ' , ' was j, è was e, yu was ju, ya was ja.

Whenever an author's name is transliterated in the journal in which his paper appears, Mathematical Reviews uses that transliteration.



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Prerequisites • Sets and Classes • Measures and Outer Measures • Extension of Measures • Measurable Functions • Integration • General Set Functions • Product Spaces • Transformations and Functions • Probability • Locally Compact Spaces • Haar Measure • Measure and Topology in Groups • References • Bibliography

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